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CURRENT SERIAL RECORDS



**WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
NEVADA**

UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE,
and

NEVADA DEPARTMENT of CONSERVATION and NATURAL RESOURCES
DIVISION of WATER RESOURCES

Data included in this report were obtained by the agencies named above
in cooperation with the Federal, State and private organizations listed
on the last page of this report.

AS OF
MAY 1, 1963

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

To Recipients of Water Supply Outlook Reports:

The climate of the cultivated and populated areas of the West is characterized by relatively dry summer months. Such precipitation as occurs falls mostly in the winter and early spring months when it is of little immediate benefit to growing crops. Most of this precipitation falls as mountain snow which stays on the ground for months, melting later to sustain streamflow during the period of greatest demand during late spring and summer. Thus, nature provides in mountain snow an imposing water storage facility.

The amount of water stored in mountain snow varies from place to place as well as from year to year and accordingly, so does the runoff of the streams. The best seasonal management of variable western water supplies results from advance estimates of the streamflow.

A snow survey consists of a series of about ten samples taken with specially designed snow sampling equipment along a permanently marked line, up to 1000 feet in length, called a snow course. The use of snow sampling equipment provides snow depth and water equivalent values for each sampling point. The average of these values is reported as the snow survey measurement for a snow course.

Snow surveys are made monthly or semi-monthly beginning in January or February and continue through the snow season until April, May or June. Currently more than 1400 western snow courses are measured each year. These measurements furnish the key data for water supply forecasts.

Streamflow forecasts are obtained by a comparison of total or maximum snow accumulation, as measured by snow water equivalent, to the subsequent spring and summer or snowmelt season runoff over a period of years. The snow water equivalent measured in selected snow courses provides most of the index to the streamflow forecast for the following season. More accurate forecasts are usually obtained when other factors such as soil moisture, base flow and spring precipitation are considered and included in the forecast procedure. Early season forecasts assume average climatic conditions through the snowmelt season.

Listed below are the Federal-State-Private Cooperative Snow Survey and Water Supply Forecast reports available for the West which contain detailed information on snow survey measurements, streamflow forecasts, reservoir storage, soil moisture and other guide data to water management and conservation decisions. Soil Conservation Service Reports may be secured from Water Supply Forecasting Unit, Soil Conservation Service, P.O. Box 4170, Portland 8, Oregon.

PUBLISHED BY SOIL CONSERVATION SERVICE

<u>REPORTS</u>	<u>ISSUED</u>	<u>LOCATION</u>	<u>COOPERATING WITH</u>
RIVER BASINS			
WESTERN UNITED STATES			
	MONTHLY (FEB.-MAY)	PORTLAND, OREGON	ALL COOPERATORS
STATES			
ALASKA	MONTHLY (MAR.-MAY)	PALMER, ALASKA	ALASKA S.C.D.
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WYOMING	MONTHLY (FEB.-JUNE)	CASPER, WYOMING	WYOMING STATE ENGINEER

PUBLISHED BY OTHER AGENCIES

<u>REPORTS</u>	<u>ISSUED</u>	<u>AGENCY</u>
BRITISH COLUMBIA	MONTHLY (FEB.-JUNE)	WATER RIGHTS BR., DEPT. OF LANOS, FORESTS AND NATURAL RESOURCES, PARLIAMENT BLDG., VICTORIA, B.C., CANADA
CALIFORNIA	MONTHLY (FEB.-MAY)	CALIF. DEPT. OF WATER RESOURCES, P.O. Box 388, SACRAMENTO, CALIF.

WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
NEVADA

Report prepared by

MANES BARTON

and

ROY E. MALSOR, JR.

SOIL CONSERVATION SERVICE
1479 SOUTH WELLS AVENUE
RENO, NEVADA

MAY 8, 1963

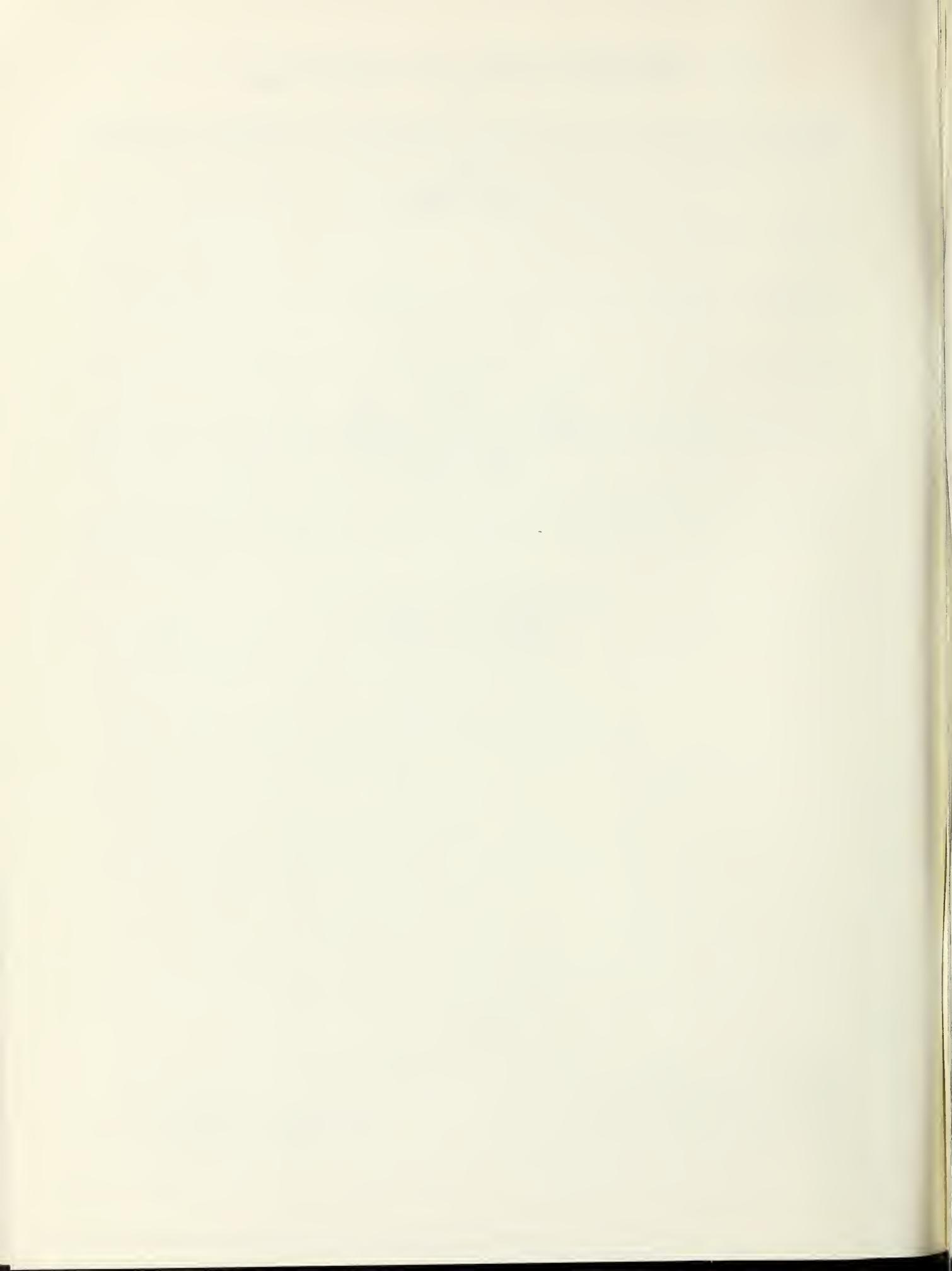
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CHARLES W. CLEARY, JR.

STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
RENO, NEVADA

HUGH A. SHAMBERGER

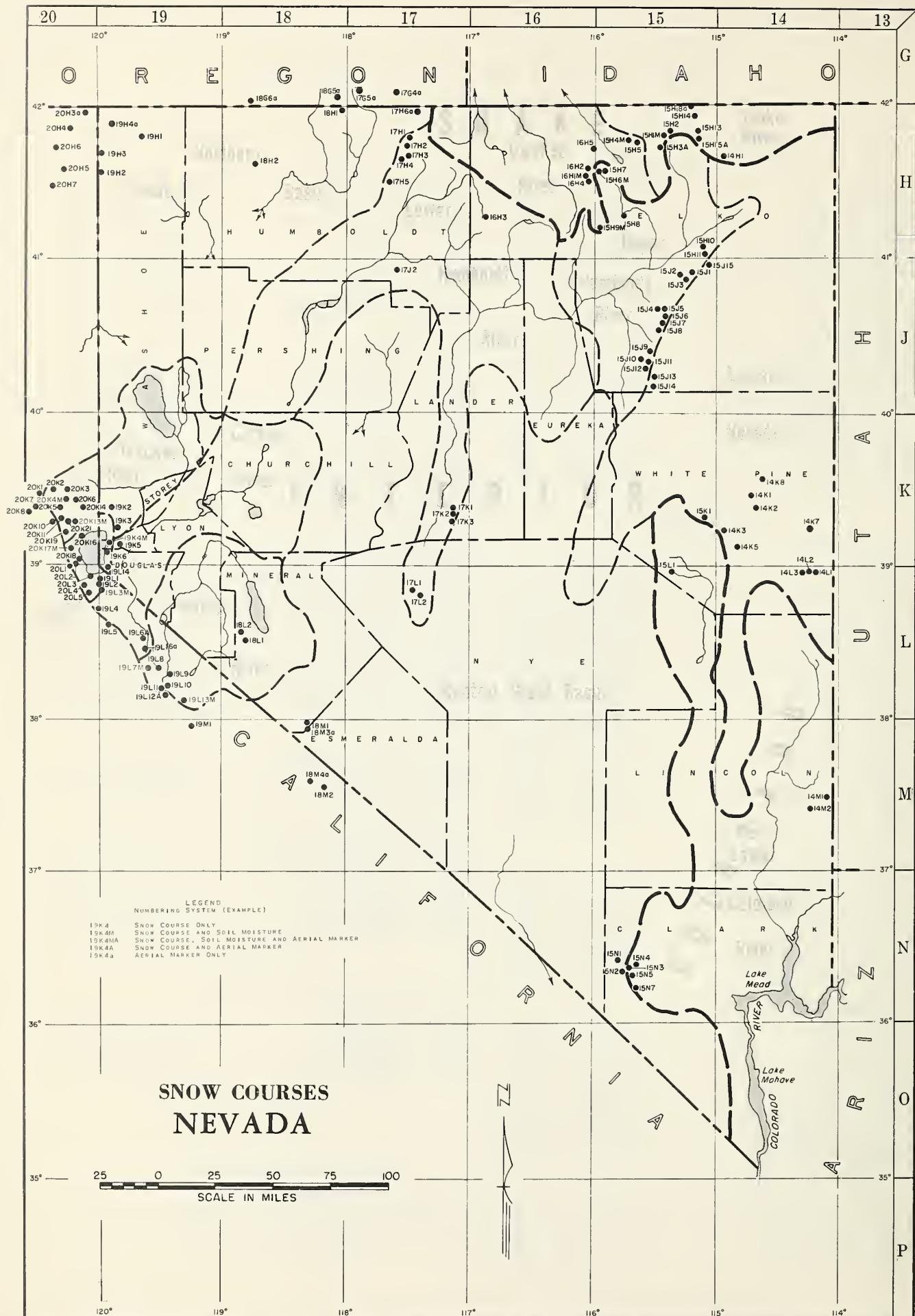
DIRECTOR
DEPARTMENT OF CONSERVATION AND
NATURAL RESOURCES
CARSON CITY, NEVADA



INDEX TO NEVADA SNOW COURSES

(By Basins)

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.	NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.										
SNAKE RIVER BASIN																					
SNAKE RIVER																					
15H1MA	BEAR CREEK	31	46N	58E	7800	19H1	BALO MOUNTAIN	17	45N	21E	6720										
15G4M*	BIG BENO	30	45N	56E	6700	20H5	BARBER CREEK	23	39N	16E	6500										
15H2	FOX CREEK	33	46N	58E	6800	20H6	CEOAR PASS	12	43N	14E	7100										
15H13	GOAT CREEK	31	46N	60E	8800	18H1	OISASTER PEAK	8	47N	34E	6500										
15H5*	GOLO CREEK	31	45N	56E	6600	20H3a	OISMAL SWAMP (CAL.)	31	48N	22E	7000										
15H15A	HUMMINGBIRD SPRINGS	6	45N	60E	8945	20H7	EAGLE PEAK	35	40N	15E	8300										
14H1	JAKES CREEK	6	42N	62E	7000	19H3	49-MTN	7	42N	19E	6000										
15H14	POLE CREEK RANGER STATION	13	46N	59E	8330	19H2	HAYS CANYON	1	39N	18E	6400										
15H18a	RED POINT	15	47N	61E	7940	18H2	LEONARD CREEK	13	42N	28E	5900										
15H3A	76 CREEK	6	44N	58E	7100	19H4a	LITTLE BALLY MTN	8	45N	19E	6000										
OWYHEE RIVER																					
15H4M	BIG BENO	30	45N	56E	6700	17G5a	OREGON CANYON (OREG.)	9	40S	40E	7240										
17H2*	BUCKSKIN, LOWER	25	45N	39E	6700	17H6a	OUINN RIOGE	9	47N	41E	6300										
17H1*	BUCKSKIN, UPPER	11	45N	39E	7200	20H4	RESERVATION CREEK	12	46N	15E	5900										
15H7*	FRY CANYON	31	43N	54E	6700	18G5a*	TROUT CREEK (OREG.)	10	41S	38E	7600										
17H4*	GRANITE PEAK	22	44N	39E	7800	NORTHERN GREAT BASIN															
16H1M	JACK CREEK, LOWER	18	42N	53E	6800	19H1	BALO MOUNTAIN	17	45N	21E	6720										
16H2	JACK CREEK, UPPER	9	42N	53E	7250	20H5	BARBER CREEK	23	39N	16E	6500										
16H4	JACKS PEAK	28	42N	53E	8420	20H6	CEOAR PASS	12	43N	14E	7100										
16H5	LAUREL DRAW	20	45N	53E	6700	18H1	OISASTER PEAK	8	47N	34E	6500										
17G4a	LDUSE CANYON (OREG.)	27	40S	44E	6440	20H7	EAGLE PEAK	35	40N	15E	8300										
17H3*	MARTIN CREEK	18	44N	40E	6700	19H3	49-MTN	7	42N	19E	6000										
15H6M*	ROOED FLAT	36	43N	53E	6800	19H2	HAYS CANYON	1	39N	18E	6400										
15H9M	TAYLOR CANYON	35	39N	53E	6200	18H2	LEONARD CREEK	13	42N	28E	5900										
15H8*	TREMEWAN RANCH	9	39N	55E	5700	19H4a	LITTLE BALLY MTN	8	45N	19E	6000										
INTERIOR																					
UPPER HUMBOLOT RIVER																					
15H1MA*	BEAR CREEK	31	46N	58E	7800	19L14	DAGGETTS PASS	19	13N	19E	7350										
15H4M*	BIG BENO	30	45N	56E	6700	20L5	ECHO SUMMIT (CAL.)	6	11N	18E	7500										
15J12	CORRAL CANYON	27	28N	57E	8500	19L2	FREEL BENCH (CAL.)	36	12N	18E	7300										
15J1	DORSEY BASIN	28	35N	60E	8100	19K6	GLENNBROOK #2	13	14N	18E	6900										
15J3	ORY CREEK	5	34N	60E	6500	19L3M	HAGANS MEAOOW (CAL.)	36	12N	18E	8000										
15H2*	FOX CREEK	33	46N	58E	6800	20L4	LAKE LUCILLE (CAL.)	28	12N	17E	8400										
15H7	FRY CANYON	31	43N	54E	6700	19K4M	MARLETTTE LAKE	13	15N	18E	8000										
15H5*	GOLO CREEK	31	45N	56E	6600	19K2*	MT. ROSE	7	17N	19E	9000										
15J9	GREEN MOUNTAIN	23	29N	57E	8000	20L3	RICHARDSONS #2 (CAL.)	6	12N	18E	6500										
15J10	HARRISON PASS #1	9	28N	57E	6600	20L1	RUBICON #1 (CAL.)	6	13N	17E	8100										
15J11	HARRISON PASS #2	16	28N	57E	7400	20L2	RUBICON #2 (CAL.)	6	13N	17E	7500										
16H1M*	JACK CREEK, LOWER	18	42N	53E	6800	20K16	TAHOE CITY (CAL.)	6	15N	17E	6250										
16H2*	JACK CREEK, UPPER	9	42N	53E	7250	19L1	UPPER TRUCKEE (CAL.)	21	12N	18E	6400										
16H4*	JACKS PEAK	28	42N	53E	8420	20K17M*	WARO CREEK (CAL.)	21	15N	16E	7000										
15J4	LAMDILLE #1	15	32N	58E	7100	20K2	WEBBER LAKE (CAL.)	20	19N	14E	7000										
15J5	LAMOILLE #2	14	32N	58E	7300	20K1*	WEBBER PEAK (CAL.)	30	19N	14E	8000										
15J6	LAMOILLE #3	24	32N	58E	7700	TRUCKEE RIVER															
15J7	LAMOILLE #4	19	32N	59E	8000	20K11	BOCA #2 (CAL.)	28	18N	17E	5900										
15J8	LAMOILLE #5	31	32N	59E	8700	20K11	DONNER LAKE #1 (CAL.)	14	17N	15E	5950										
15H6M	RDOEO FLAT	36	43N	53E	6800	20K21	DONNER PARK #2 (CAL.)	3	16N	16E	6000										
15J2	RYAN RANCH	1	34N	59E	5800	20K10*	DONNER SUMMIT (CAL.)	25	17N	14E	6900										
15H3A*	76 CREEK	6	44N	58E	7100	20K7*	FOOYCE LAKE (CAL.)	34	18N	13E	6500										
15H9M*	TAYLOR CANYON	35	39N	53E	6200	20K8*	FURNACE FLAT (CAL.)	10	17N	13E	6600										
15H8	TREMEWAN RANCH	9	39N	55E	5700	20K4M	INDEPENDENCE CAMP (CAL.)	34	19N	15E	7000										
15H10	TROUT CREEK, LOWER	28	37N	61E	6900	20K3	INDEPENDENCE CREEK (CAL.)	14	19N	15E	6500										
15H11	TROUT CREEK, UPPER	4	36N	61E	8500	20K5	INDEPENDENCE LAKE (CAL.)	9	18N	15E	8450										
LOWER HUMBOLDT RIVER																					
17K1	BIG CREEK CAMP GROUNO	10	17N	43E	6600	19K2	MT. ROSE	7	17N	19E	9000										
17K2	BIG CREEK MINE	23	17N	43E	7600	20K6	SAGE HEN CREEK (CAL.)	7	18N	16E	6500										
17K3	BIG CREEK, UPPER	26	17N	43E	8000	20K19	SOUAW VALLEY #2 (CAL.)	6	15N	16E	7500										
17H2	BUCKSKIN, LOWER	25	45N	39E	6700	20K16*	TAHDE CITY (CAL.)	6	15N	17E	6250										
17H1	BUCKSKIN, UPPER	11	45N	39E	7200	20K13M	TRUCKEE #2 (CAL.)	22	17N	16E	6400										
17J2	GOLCONOA #2	22	35N	39E	6000	20K17M*	WARO CREEK (CAL.)	21	15N	16E	7000										
17H4	GRANITE PEAK	22	44N	39E	7800	20K2	WEBBER LAKE (CAL.)	20	19N	14E	7000										
17H5	LAMANCE CREEK	13	42N	38E	6000	20K1*	WEBBER PEAK (CAL.)	30	19N	14E	8000										
17L1	LOWER CORRAL	12	11N	40E	7500	CARSON RIVER															
17H3	MARTIN CREEK	18	44N	40E	6700	19L5	BLUE LAKES (CAL.)	30	9N	19E	8000										
16H3	MIDAS	18	39N	46E	7200	19L4	CARSON PASS, UPPER (CAL.)	22	10N	18E	8600										
17L2	UPPER CORRAL	20	11N	41E	8500	19K5	CLEAR CREEK	6	14N	19E	7300										
EASTERN NEVADA																					
14L1	BAKER #1	29	13N	69E	7950	19L6	POISON FLAT (CAL.)	25	8N	21E	7900										
14L2	BAKER #2	30	13N	69E	8950	19L16a	UPPER FISH VALLEY (CAL.)	18	7N	22E	8050										
14L3	BAKER #3	25	13N	68E	9250	WALKER RIVER															
14K2	BERRY CREEK	26	17N	65E	9100	19L11	BUCKEYE FORKS (CAL.)	20	4N	23E	8500										
14K1	BIRO CREEK	34	19N	65E	7500	19L10	BUCKEYE ROUGHS (CAL.)	15	4N	23E	7900										
15J13	CAVE CREEK	25	27N	57E	7500	19L12A	CENTER MOUNTAIN (CAL.)	4	3N	23E	9400										
15J14	HAGER CANYON	34	27N	57E	8000	18L1	LAPON MEAOOW	36	8N	28E	9000										
15J15	HOLE IN-MTN.	6	35N	61E	7900	18L2	LEAVITT MEADOWS (CAL.)	4	5N	22E	7200										
14K8	KALAMAZOO CREEK	34	20N	65E	7400	19L7M	SONORA PASS (CAL.)	23	8N	28E	9000										
14K3	MURRAY SUMMIT	25	16N	62E	7250	19M1*	TIOGA PASS (CAL.)	1	5N	21E	8800										
15K1	ROBINSON SUMMIT	34	18N	61E	7600	19L13M	VIRGINIA LAKES (CAL.)	30	1N	25E	9900										
14K7	SILVER CREEK #2	30	16N	69E	8000	15L1	WILLOW FLAT (CAL.)	5	2N	25E	9500										
14K5	WARO MOUNTAIN #2	25	15N	62E	7875	21	5N	23E	8250	COLORADO											
15L1*	WHITE RIVER #1	31	13N	59E	7400	LOWER COLORADO RIVER															
CENTRAL GREAT BASIN																					
18M2	CAMPITO MTN (CAL.)	19	5S	35E	10200	19K4	SNOW COURSE ONLY	26	195	56E	8200										
15N2	CLARK CANYON	8	19S	56E	9000	19K4M	SNOW COURSE AND SOIL MOISTURE	10	195	56E	8300										
18G6a*	OENIO CREEK (OREG.)	14	41S	34E	6000	19K4MA	SNOW COURSE, SOIL MOISTURE AND AERIAL MARKER	9	195	56E	9000										
18M1	MONTGOMERY PASS	4	1N	33E	7100	19K4A	SNOW COURSE AND AERIAL MARKER	11	55	70E	6000										
18M3a	PINCHOT CREEK	28	1N	33E	9300	19K4a	AERIAL MARKER ONLY	11	65	69E	6200										
18M4a	PIUTE PASS (CAL.)	33	45	33E	11700	LEGEND NUMBERING SYSTEM (EXAMPLE)															
15N1	TROUGH SPRINGS	23	185	55E	8500	* LOCATED ON ADJACENT WATERSHED															



WATER SUPPLY OUTLOOK
FOR NEVADA

May 1, 1963

* Nevada's 1963 irrigation season water supply outlook has improved
* during the past month as a result of unseasonably heavy April snow-
* fall. Although below normal streamflow is still forecast through-
* out the State, water users served by natural streamflow can expect
* their streams to hold at divertable levels somewhat longer than
* previously anticipated. Reservoir storage continued to improve
* during April. Water content of snow at the higher elevations is
* from near to slightly above average. Median elevation snow is much
* below average. Soils are well wetted except under the snow at the
* higher elevations.

STREAMFLOW FORECASTS

Extremely heavy April snowfall in the Sierra caused Lake Tahoe to rise 0.47 foot in April. The Truckee Basin Forecast Committee forecasts Lake Tahoe will rise another 0.51 foot from May 1 assuming gates closed. This would bring Lake Tahoe to a peak elevation of 6226.15 feet above sea level if there were no drawdown. The Committee now anticipates that the Floristan rate can be maintained through the irrigation season. Truckee River at Farad is forecast to flow 100,000 acre feet during May-July which is 57 percent of average. During the same period the Little Truckee is expected to flow 33,000 acre feet or 60 percent of average.

Carson basin streams are forecast to flow from 61-62 percent of the May-July average at the upper basin stations at Woodfords, California and Gardnerville to 47 to 44 percent of average at Carson City and Ft. Churchill. In the Walker basin the East Fork near Bridgeport, California is forecast to flow 67 percent of its May-August average, while the West Fork near Coleville, California is forecast at 73 percent of average for May-July.

May-July 1963 streamflow forecasts in the Humboldt and Snake River basins range from 74 percent of average for Lamoille Creek to 19 percent for the Humboldt at Comus. Most streams fall in the 25-50 percent of average category.

RESERVOIR STORAGE

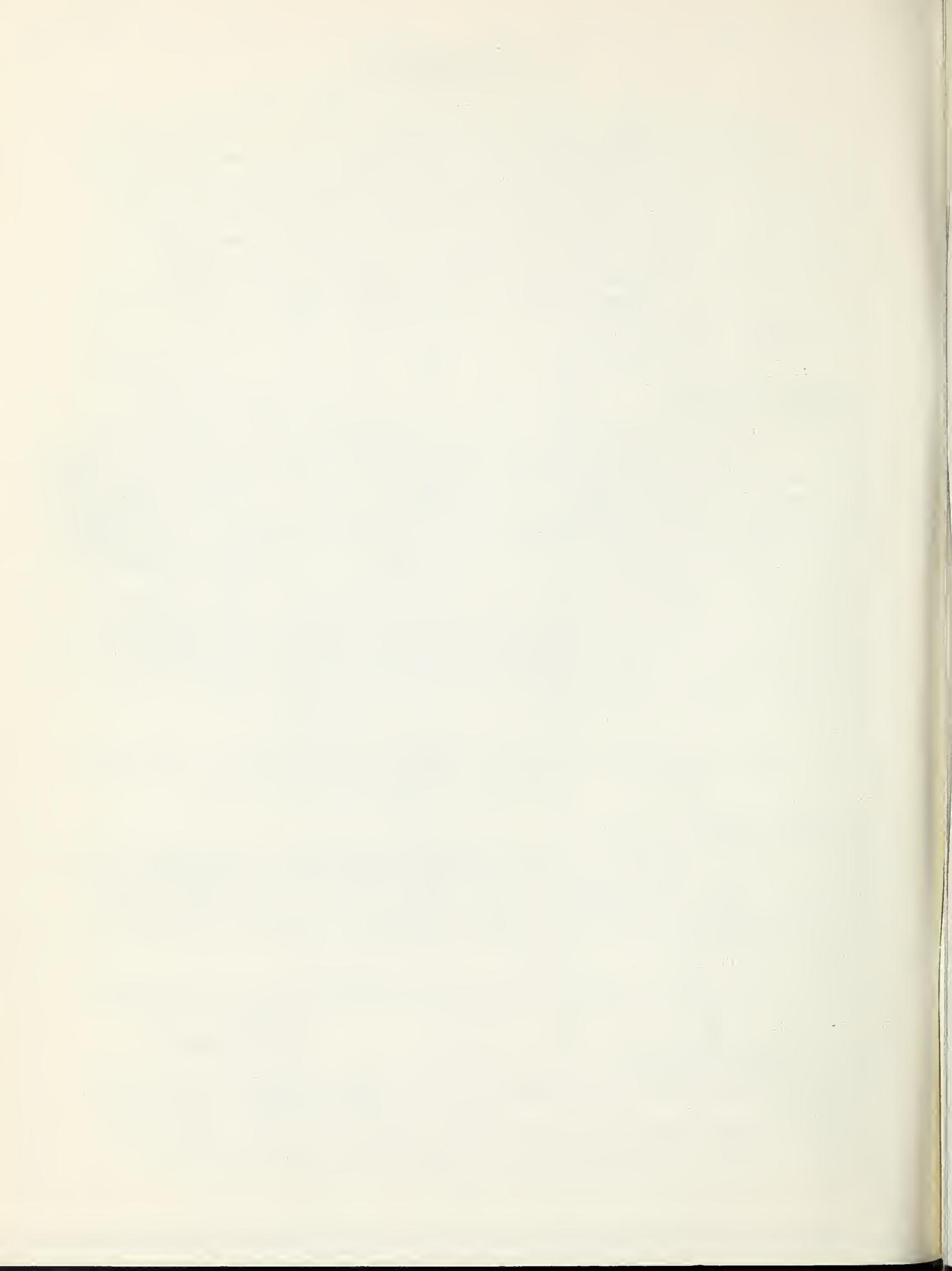
Most Nevada reservoirs gained in stored water during April. Water demands were below normal. In aggregate Nevada's principal reservoirs gained 75,000 acre feet compared to their average April gain of 49,000 acre feet. As of May 1 these reservoirs were 87 percent of the May 1 average and 61 percent of capacity. All reservoirs except Wild Horse, Rye Patch and Lake Tahoe are above average and at or near capacity.

Although these reservoirs will be subject to heavy demand there is an improved likelihood of some carryover water this fall.

SOIL MOISTURE CONDITIONS

Median elevation and valley soils are generally well wetted. Some high mountain soils still require additional snowmelt water to become primed.

Spring and early summer range forage growth prospects are good. Additional summer rains will be needed as usual to sustain the range forage growth.



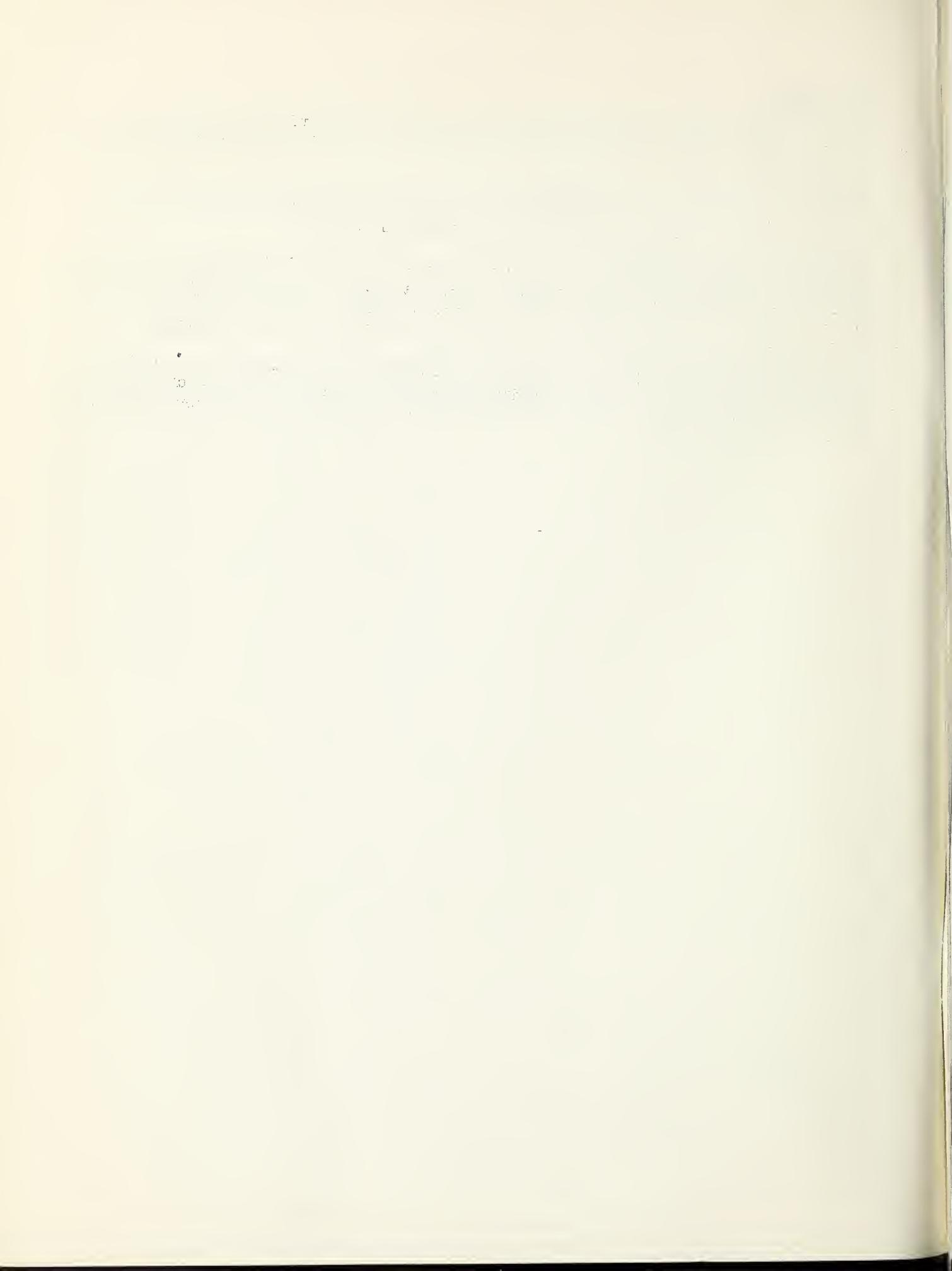
SNOW COVER

April snowfall and resultant snowpack accumulation was exceptionally good in the Sierra. Many snow courses in the Truckee-Tahoe basins doubled in water content during April.

Higher snow courses in the Independence, and Ruby Mountains near Elko and the Snake and Schell range near Ely recorded sizable gains.

In general May 1 readings at high snow courses are close to their May 1 averages and compare quite favorably to their April 1 averages. Although most median snow courses are improved over their April readings, many fall short of their usual May 1 values and do not compare too favorably with their April 1 average.

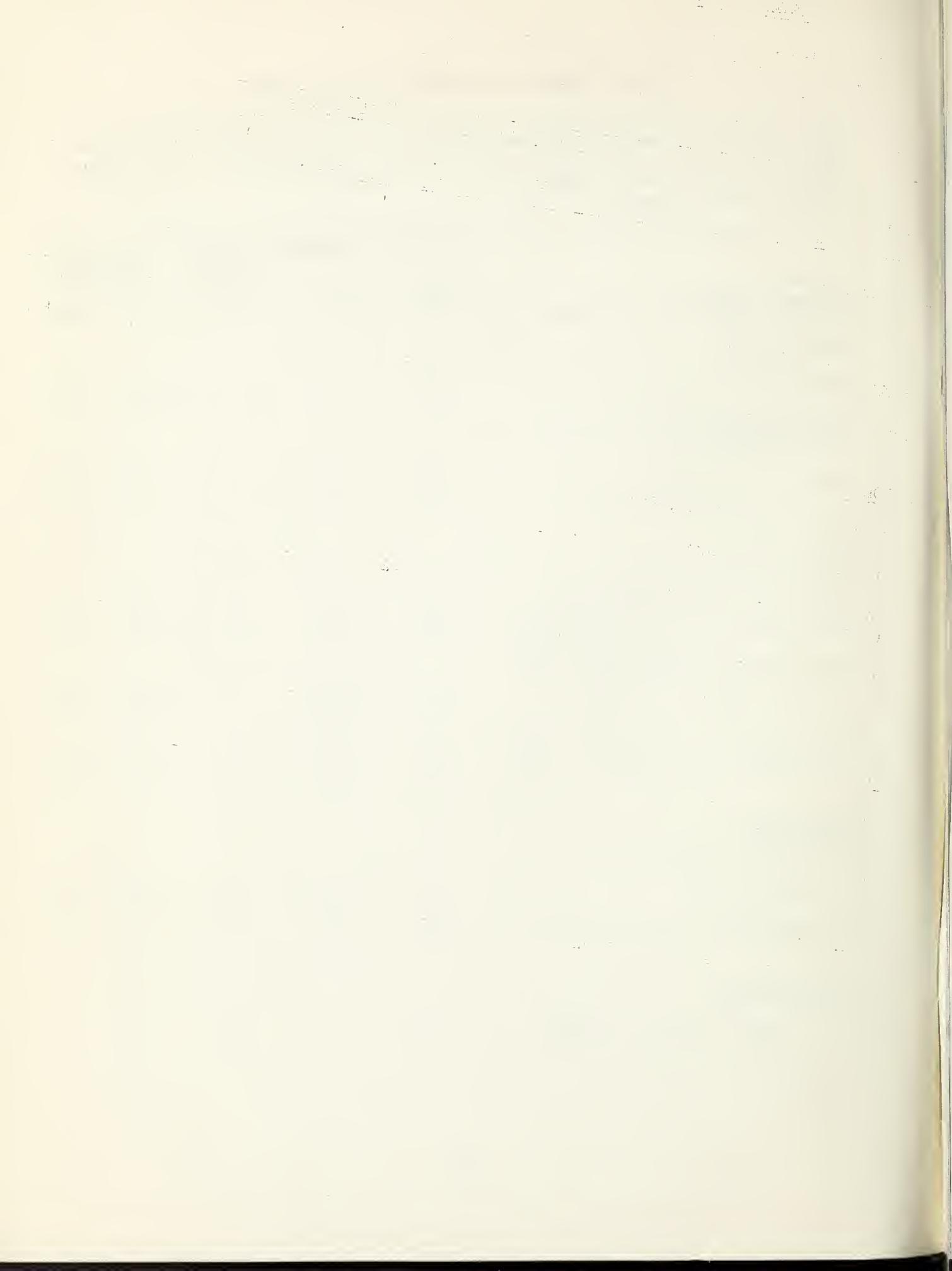
In summary the high mountain snowpack which sustains the midsummer-late summer streamflow looks fair to good. The median elevation snowpack which produces the larger portion of most streams snowmelt water supply during the late spring-early summer is poor to fair.



NEVADA STREAMFLOW FORECASTS - MAY 1, 1963

The following summarized runoff forecasts are based principally on mountain snow cover and the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts.

Basin and Forecast Stream	May-July, Streamflow Thousands Acre Feet					
	Forecast 1963	15-Yr. Av. 1943-57	1963 as % of 15-Yr. Av.	Measured Runoff 1962	Measured Runoff 1961	
<u>TRUCKEE RIVER</u>						
Lake Tahoe ^{1, 3}	0.51	1.15	44	0.80	0.52	
Little Truckee River above Boca, California ³	33	55	60	49	20	
Truckee River at Farad, Cal. ^{2, 3}	100	175	57	147	63	
<u>CARSON RIVER</u>						
West Carson at Woodfords, Cal.	25	41	61	37	15	
East Carson nr. Gardnerville, Nev.	95	152	62	139	66	
East Carson nr. Gardnerville, Nev. (Date of 200 c.f.s. flow)	7/4	7/22	--	7/26	6/28	
Carson River nr. Carson City, Nev.	70	145	47	130	37	
Carson River at Ft. Churchill, Nev.	60	135	44	112	25	
<u>WALKER RIVER</u>						
West Walker below E. Fk. nr. Coleville, Cal.	95	130	73	126	59	
East Walker nr. Bridgeport, Cal. ⁴	35	52	67	50	14	
<u>COLORADO RIVER</u>						
Virgin River at Virgin, Utah ⁵	18	44	41	57	17	



NEVADA STREAMFLOW FORECASTS - MAY 1, 1963 (Continued)

Basin and Forecast Stream	May-July, Streamflow Thousands Acre Feet				
	Forecast 1963	15-Yr. Av. 1943-57	1963 as % of 15-Yr. Av.	Measured Runoff 1962	1961
<u>HUMBOLDT RIVER</u>					
So. Fk. Humboldt nr. Elko, Nev.	30	57	51	83	32
Lamoille Creek nr. Lamoille, Nev.	20	27	74	29	16
Humboldt River at Palisade, Nev.	40	163	24	207	38
Humboldt River at Comus, Nev.	20	105	19	169	20
Martin Creek nr. Paradise, Nev.	4	11	36	10	4
<u>SNAKE RIVER</u>					
Owyhee River nr. Gold Creek, Nev. ⁶	3	11	27	11	0.4
Owyhee River nr. Owyhee, Nev. ⁶	15	53	28	45	9
Salmon Falls Creek nr. San Jacinto, Nevada ⁷	18	55	33	67	12
	17	53	32	63	10
<u>SURPRISE VALLEY</u>					
Mill Cr. nr. Cedarville, Cal. ⁸	4.2	6.1	69	3.6	3.6
Cedar Cr. nr. Cedarville, Cal. ⁸	2.8	4.2	67	2.4	2.0
Eagle Cr. nr. Eagleville, Cal. ⁸	4.3	5.8	73	4.1	3.6

1. Maximum rise, in feet, from May 1, assuming gates closed.
2. Exclusive of Tahoe and corrected for storage in Boca Reservoir.
3. Forecast issued by Truckee Basin Water Committee, composed of Truckee-Carson Irrigation District, Sierra Pacific Power Company and Washoe County Water Conservation District.
4. For period May through August corrected for storage in Bridgeport Reservoir.
5. April-June forecast; issued by SCS, Salt Lake City, Utah.
6. Corrected for storage in Wild Horse Reservoir.
7. May-Sept. and May-July forecasts respectively; issued by SCS, Boise, Idaho.
8. April-Sept. forecast; coordinated forecast of SCS and California Dept. of Water Resources, Snow Survey Units.

NEVADA

STATUS OF RESERVOIR STORAGE

MAY 1, 1963

BASIN AND STREAM	RESERVOIR	USABLE CAPACITY (1000 AF)	USABLE STORAGE - 1000 ACRE FEET			MAY 1 15-YR. AVE. 1943-57
			1963	1962	1961	
Owyhee	Wild Horse	33	21	33	19	26
Lower Humboldt	Rye Patch	179	77	62	11	114
Colorado	Mohave	1,810	1,735	1,698	1,734	1,516*
Colorado	Mead	27,217	21,054	19,357	17,885	16,451
Tahoe	Tahoe	732	321	136	127	498
Truckee	Boca	41	41	40	10	25
Carson	Lahontan	286	284	169	107	232
West Walker	Topaz	59	58	30	14	44
East Walker	Bridgeport	42	42	32	12	32

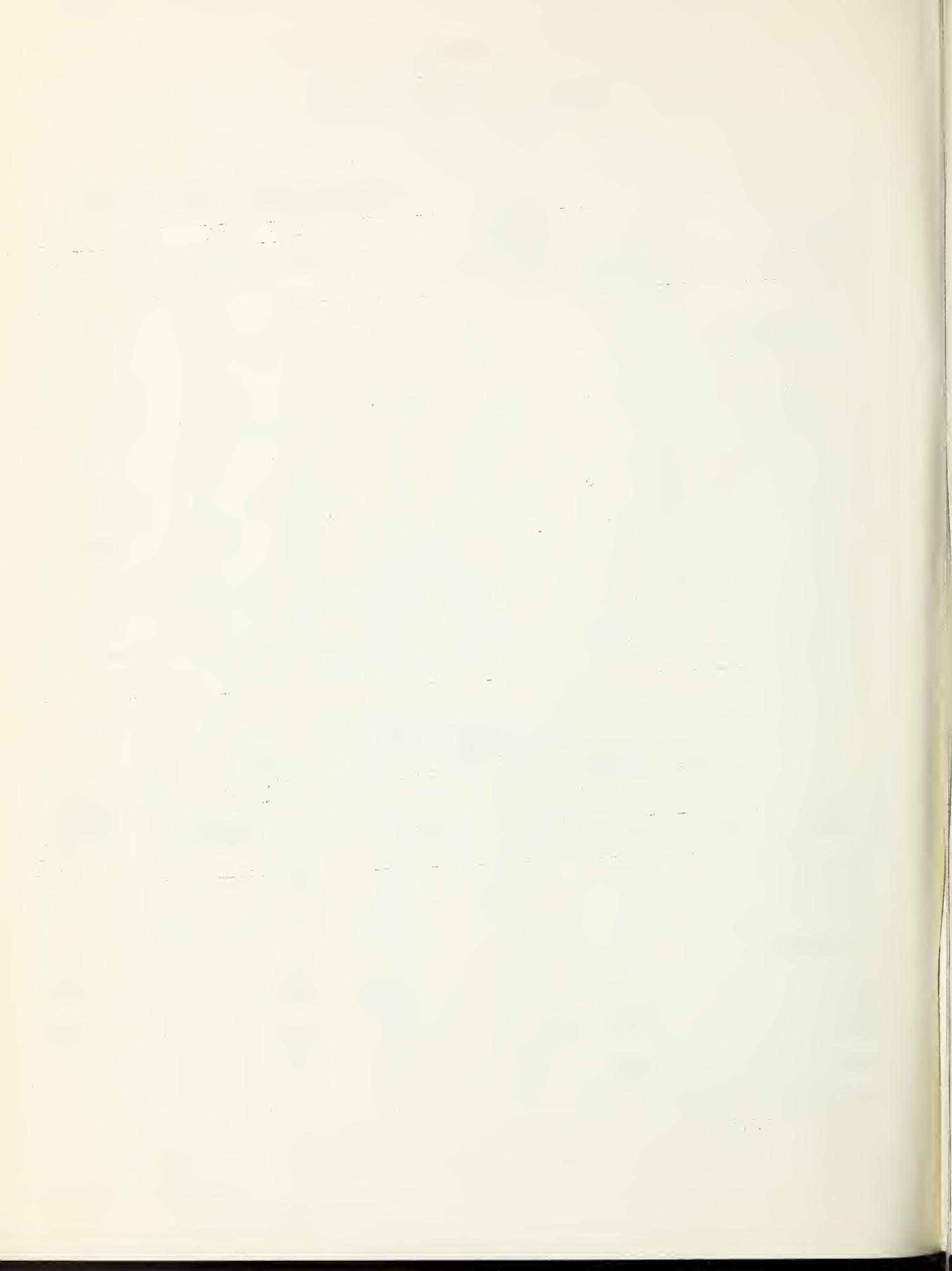
* 1950-57

TOTAL RESERVOIR STORAGE

Developed from Wild Horse, Rye Patch, Tahoe, Boca, Lahontan, Topaz and Bridgeport Reservoirs in 1000's Acre Feet

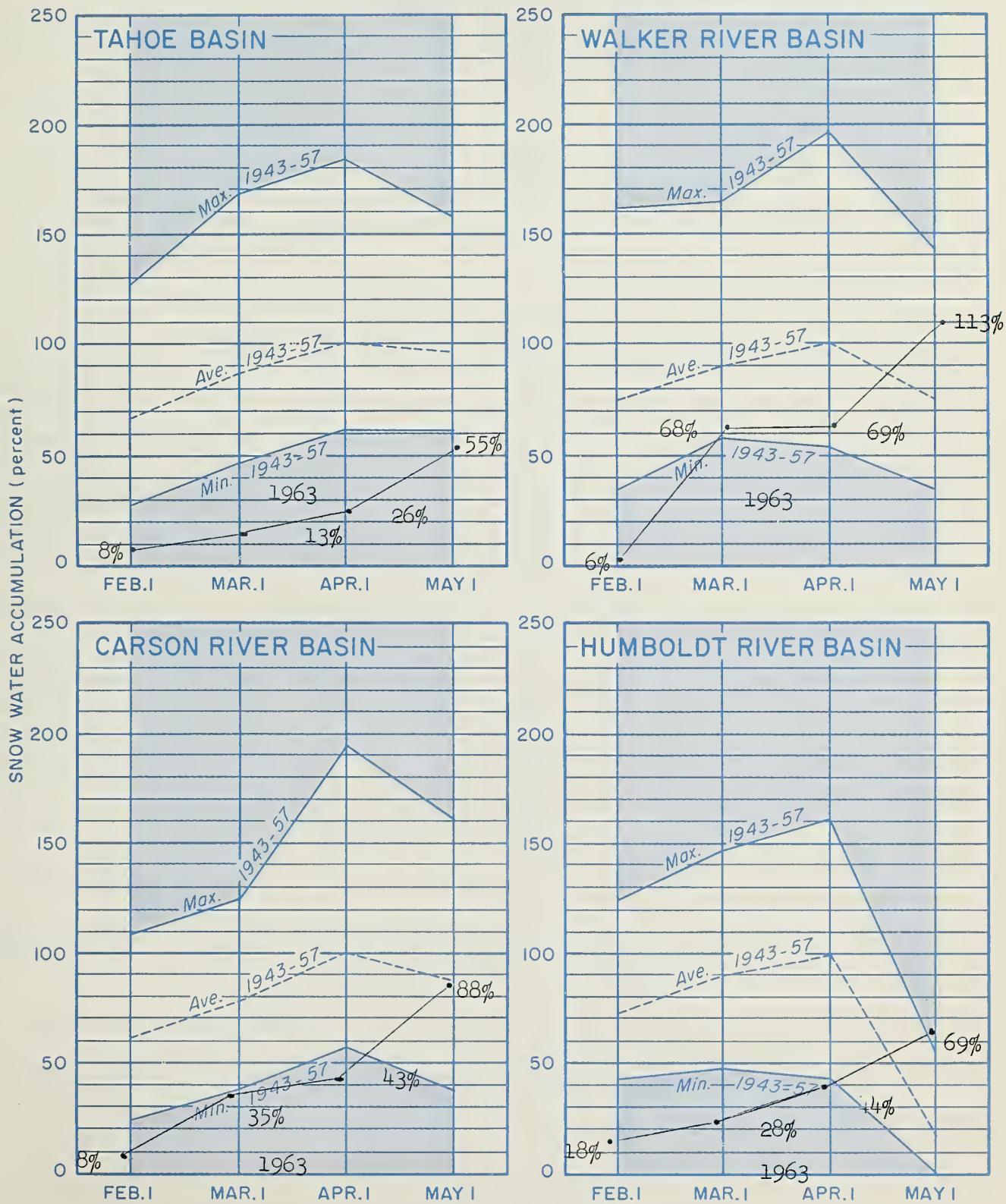
MONTH	1958-59	1959-60	1960-61	1961-62	1962-63	AVERAGE 1943-57
October 1	985	489	263	65	345	732
January 1	890	367	206	57	419	787
February 1	947	398	218	73	558	842
March 1	1,038	494	254	210	696	877
April 1	1,066	592	285	318	769	923
May 1	1,036	632	300	499	844	971

TOTAL USABLE CAPACITY 1,372



SNOW WATER ACCUMULATION in NEVADA by BASIN

MAY 1, 1963



NOTE: The percentages shown are based on key snow courses within each basin.

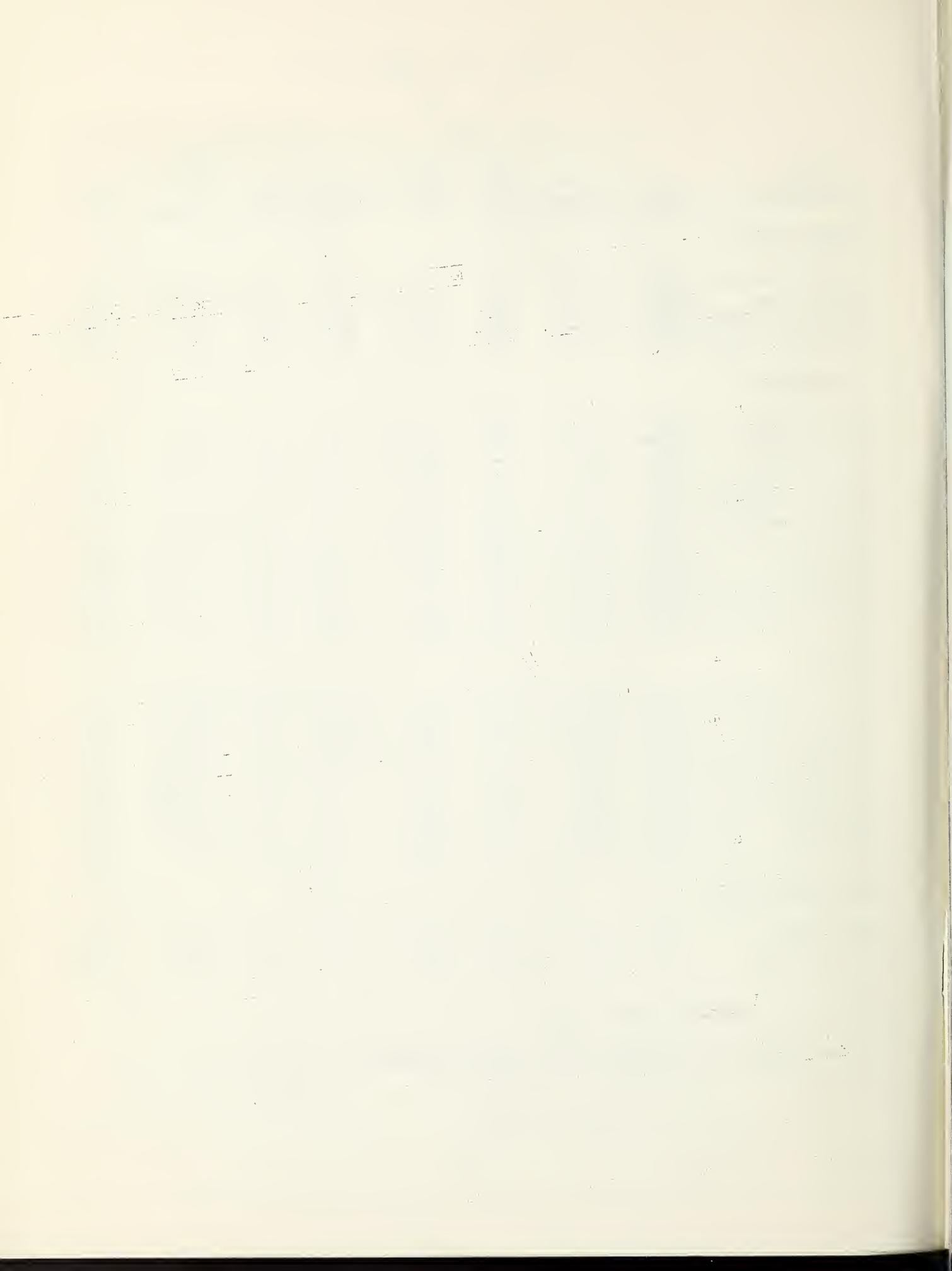
NEVADA SNOW SURVEYS

MAY 1, 1963

WATERSHED AND COURSE	Elev.	May 1, 1963			Water Content (Inches)				
		Date Survey	Depth Snow (In.)	Water Content (In.)	May 1	May 1	May 1	1943-57	April 1
					1962	1961	Avg.	1963	
<u>WALKER-CARSON</u>									
Virginia Lakes	9500	4/29	53	22.4	17.6	2.3	11.6*	13.9	
Sonora Pass	8800	4/30	60	25.2	21.2	4.0	17.4*	14.8	
Carson Pass, Upper	8600	4/25	93	34.5	32.9	16.6	31.1	18.5	
Blue Lakes	8000	4/25	98	30.0	31.0	16.2	31.4	13.2	
<u>LAKE TAHOE</u>									
Daggetts Pass	7350	4/30	18	6.0	--	--	--		T
Echo Summit	7500	5/1	48	20.0	27.1	4.7	26.9		8.5
Freel Bench	7300	5/1	7	3.4	--	--	--		2.5
Glenbrook #2	6900	4/28	21	8.1	--	--	--		3.0
Hagans Meadow	8000	5/1	21	11.3	--	--	--		6.6
Richardsons #2	6500	4/28	20	9.2	--	--	--		1.8
Rubicon #1	8100	4/27	135	47.0	--	--	--		33.4
Rubicon #2	7500	4/27	64	25.8	--	--	--		11.4
Tahoe City	6250	5/3	T	T	--	--	--		2.9
Truckee, Upper	6400	5/1	2	0.8	--	--	--		1.4
Ward Creek	7000	5/3	63	26.8	--	--	--		13.2
<u>TRUCKEE</u>									
Donner Summit	6900	4/24	75	27.8	31.2	12.5	26.3		6.1
Fordyce Lake	6500	4/30	66	29.6	39.8	--	29.9*		6.9
Furnace Flat	6600	4/30	76	36.6	49.9	24.5	38.6*		8.0
Independence Camp	7000	5/2	21	9.2	--	--	14.6*		6.2
Independence Cr.	6500	5/2	6	2.6	--	--	5.2*		3.7
Independence Lake	8450	5/2	101	39.2	--	--	32.3*		27.4
Sage Hen	6500	4/29	20	8.2	--	--	--		5.0
Truckee #2	6400	4/29	19	8.2	--	--	--		4.7
<u>SURPRISE VALLEY</u>									
Cedar Pass	7100	5/2	23	9.1	3.0	9.8	10.0*		3.7
Dismal Swamp	7000	5/1	26	10.0	--	--	--		1.8a

* 1943-57 adjusted average.

a Aerial snow depth gage; water content estimated.



NEVADA SNOW SURVEYS (Continued)

MAY 1, 1963

WATERSHED AND COURSE	May 1, 1963			Water Content (Inches)				
	Elev.	Date Survey	Depth (In.)	Water Content (In.)	May 1		1943-57 Avg.	April 1 1963
					1962	1961		
<u>SNAKE-OWYHEE</u>								
Bear Creek	7800	4/29	56	18.6a	25.1a	12.6a	21.2*	12.9
Goat Creek	8800	4/29	56	18.9	21.2a	14.3	19.9*	12.8
Hummingbird Springs	8945	4/29	68	22.6a	31.3a	18.8	25.2*	15.1
Pole Creek R. S.	8330	4/29	60	20.0	23.9	15.8	22.9	13.8
Big Bend	6700	4/30	T	T	0.0	0.0	1.6*	T
Gold Creek	6600	4/30	0	0.0	0.0	0.0	0.0*	0.0
Jack Creek, Lower	6800	4/29	9	2.2	0.0	0.0	0.0*	T
Jack Creek, Upper	7250	4.29	18	5.3	0.0	0.0	4.0*	3.4
Jacks Peak	8420	4/29	81	24.0	35.1	22.3	26.8*	14.7
Taylor Canyon	6200	4/29	6	1.0	0.0	0.0	0.0*	0.0
<u>HUMBOLDT</u>								
Fry Canyon	6700	4/30	T	T	0.0	0.0	1.3*	0.0
Rodeo Flat	6800	4/30	T	T	0.0	0.0	1.7*	T
Tremewan Ranch	5700	4/30	0	0.0	--	0.0	--	0.0
Green Mountain	8000	5/2	38	14.6	--	--	--	8.3
Lamoille #1	7100	5/1	15	6.3	--	--	--	3.9
Lamoille #2	7200	5/1	17	6.4	--	--	--	3.7
Lamoille #3	7700	5/1	36	13.7	--	--	--	8.8
Lamoille #4	8000	5/1	50	18.7	--	--	--	12.8
Lamoille #5	8700	5/1	75	30.2	--	--	--	20.0
<u>WHITE PINE COUNTY</u>								
Baker #1	7950	5/2	T	T	--	--	--	2.2
Baker #2	8950	5/2	33	13.1	--	--	--	8.7
Baker #3	9250	5/2	43	16.8	--	--	--	10.1
Berry Creek	9100	5/1	48	16.3	15.0	13.0	17.6*	8.3
Bird Creek	7500	5/1	0	0.0	--	--	--	1.4
<u>LOWER COLORADO</u>								
Kyle Canyon	8200	4/30	2	0.8	--	--	--	2.7
Rainbow Canyon #2	8100	4/30	9	4.7	--	--	--	5.6
<u>DELAYED DATA</u>								
Campito		2/6	17	5.2				
Donner Summit		2/1	0	0.0				
Fordyce Lake		2/1	0	0.0				
Furnace Flat		2/1	0	0.0				
Montgomery Pass		2/4	0	0.0				
Jakes Creek		3/3	4	1.0	4/1	0	0.0	
Webber Lake		4/4	48	12.2				
Webber Peak		4/4	71	20.5				

Agencies Cooperating in Collecting Data Contained in this Bulletin

FEDERAL

Agricultural Research Service
Army
Bureau of Reclamation
Fish and Wildlife Service
Forest Service
Geological Survey
Navy
Soil Conservation Service
Weather Bureau

STATE

California Cooperative Snow Surveys
California Department of Water Resources
Colorado River Commission of Nevada
Nevada Association of Soil Conservation Districts
Nevada Cooperative Snow Surveys
Nevada Department of Conservation & Natural Resources
Division of Water Resources
Nevada State Forester-Firewarden
Oregon Cooperative Snow Surveys
University of Nevada
White Mountain Research Station, Univ. of California

PRIVATE

Amalgamated Sugar Company
Kennebott Copper Corporation
Nevada Irrigation District
Owyhee Project North Board of Control
Owyhee Project South Board of Control
Pacific Gas & Electric Company
Pershing County Water Conservation District
Sierra Pacific Power Company
Squaw Valley Development Company
Truckee-Carson Irrigation District
Virginia City Water Company
Walker River Irrigation District
Washoe County Water Conservation District

Other organizations and individuals furnish valuable
information for the snow survey reports. Their
Cooperation is gratefully acknowledged.

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*“The Conservation of Water begins
with the Snow Survey”*